CONTRACT #72679 TOTAL SHEETS SHEET NO. ROUTE NO. COUNTY STATE OF ILLINOIS 8071 SANGAMON 425 244 DEPARTMENT OF TRANSPORTATION * (84-9) RS-6: (G)Z 6'-0⁵8'' 10 Ga. stainless steel or hot 3₁₆ '' carbon steel. Hot dip dip galvanized carbon steel. galvanized after fabrication. $^{3}_{4}$ " ϕ stainless steel U-bolt. Provide two washers and two 4'-0" At C pipehexagon locknuts. A 8" \$ pipe. (4 slots required per pipe) Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria. 1^{l_2} $^{\prime\prime}$ ϕ pipe coupling and plug, and 1^{l_2} $^{\prime\prime}$ ϕ Load combinations checked include deadload plus: a) 100% wind normal to sign, 20% parallel to sign hole in cover b) 60% wind normal to sign, 30% parallel to sign 14" cap plate Detail A for geometry **LOWER** HANDHOLE COVERS (1) In lieu of fabricated handhole frame as shown, may cut *Q* Upper Handhole from 2" plate (rolling direction vertical). All cut faces (See Detail D) to be ground to ANSI Roughness of 500 min or less. (2) Galvanizing vent holes of adequate size shall be provided <u>Detail C (See Base</u> -W8x28(3) on underside at each end of bracing pipes. Alternately, Sheet OS-A-4A.) holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ. DETAIL A 3 Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1. Drill & tap (4) See General Notes for fasteners. Galv. Bolts for $\frac{1}{4}$ " - 20 screws. Chase thread (ASTM A307 5 Dimensions shown are based on selection criteria in the after galvanizing. Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate. l₄'' galv. cap plate with 4-58" \$ holes 6) "H" based on 15'-0'' or actual sign height, whichever is greater. at 90° intervals. Install after © of frame galvanizing frame. 34" x 2" flat 8" ¢ Std. pipe (3 vithin 1" of plumb (0,322" wall) 4-1/2" hex nuts at 90° intervals welded to pipe. Chase threads after Structure Support galvanizing frame. Station 6 Provide $6\frac{1}{2}$ " x $4\frac{1}{2}$ " cover. Right Left Provide $4 - \frac{5}{16}$ " ϕ holes in cover for SECTION A-A 6S084I072L097.6 14"-20 round head hot dip galvanized or 686+75 Х 30'-4¾'' 23'-9¾'' As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame. stainless steel machine screws. X 29'-2¾'' 22'-7¾'' (See cover details) DETAIL D 3" wide - 10 Ga. bent stainless steel cover plate with two (See Detail D) ¹³₁₆ " φ holes Backfill shall be placed Detail B (See Base prior to erection of "D" = Outside support frame шПп Chord Diameter $\widecheck{\parallel}$ For Foundation Details #### see Base Sheet OS-F2. 3'' Galvanized Steel Conduit. Thread Conduit @ leg or OS4-F2 with handhole and cap both ends. SECTION B-B OVERHEAD SIGN STRUCTURES SIDE ELEVATION **END ELEVATION** SUPPORT FRAME FOR TYPE I-A ALUMINUM TRUSS 8" | PIPE TRUSS SUPPORT FRAME

REVISION

20

EXAMINED

PASSED

6/01/2007

DESIGNED

CHECKED

OS-A-4

DRAWN

DATE

SIGNING DETAIL 6S084I072L097.6 FAI-72, MACARTHUR BLVD